

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nepeta cataria*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	NEPETALACTONE	Essential Oil	600000.0	999000.0		--
0	WATER	Plant		880000.0	0.4669306256137165	--
0	LINOLENIC-ACID	Seed Oil		570000.0	1.001405288741951	--
0	EPINEPETALACTONE	Essential Oil	1000.0	400000.0		--
10	NEROL	Essential Oil		276000.0	1.407686585025154	--
35	GERANIOL	Essential Oil		255000.0	2.072634270981816	--
0	FAT	Seed		212000.0	-0.28121153976391855	--
0	PROTEIN	Seed		184000.0	-0.44296180891687065	--
27	LINOLEIC-ACID	Seed Oil		180000.0	-0.8302018822935633	--
15	CITRONELLOL	Essential Oil		126000.0	0.5224569028073494	--
0	PROTEIN	Plant	11760.0	98000.0	-0.6184344816446848	--
0	ASH	Plant	6000.0	50000.0	-1.2829120575506618	--
14	POTASSIUM	Plant	2820.0	23500.0	0.11874970786708418	--
0	EO	Plant	2000.0	13000.0	0.24784835906684596	Bourel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
89	URSOLIC-ACID	Shoot		10300.0	1.8174623226218731	--
0	FIBER(CRUDE)	Plant		10000.0	-1.7402695850490997	--
5	NEPETALACTONE	Plant	25.0	9900.0		--
0	NEPETALACTONE-N1	Plant	25.0	7400.0		Bourel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
28	CALCIUM	Plant	739.0	6160.0	-0.7946970246293654	--
0	NEPETALIC-ANHYDRIDE	Plant	1080.0	4680.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EPINEPETALACTONE	Plant	10.0	4000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
31	CARYOPHYLLENE	Plant	40.0	3200.0	3.663534141225774	--
0	BETA-NEPETALACTONE	Plant	125.0	2730.0		--
0	ALPHA-NEPETALACTONE	Plant	125.0	2730.0		--
4	PHOSPHORUS	Plant	289.0	2410.0	-0.5663882644151227	--
8	CARYOPHYLLENE-OXIDE	Plant	285.0	2365.0	4.032095440217275	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (Nepeta cataria L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
65	MAGNESIUM	Plant	248.0	2070.0	-0.6197173176801558	--
57	ROSMARINIC-ACID	Plant		2000.0	-1.6031579162806906	Fitoterapia No.62: 166.
57	ROSMARINIC-ACID	Inflorescence		2000.0	-1.4970192502235884	--
0	BETA-CARYOPHYLLENE	Plant		1800.0	1.4674777688994798	--
0	NEPETALIC-ACID	Plant	300.0	1300.0		--
0	NEPETALIC-ACID	Essential Oil		1240.0		--
47	BETA-SITOSTEROL	Shoot		900.0	1.3584708811769088	--
0	NEPETOL GLUCOSYL ESTER	Leaf		750.0		--
0	1-5-9-EPI-DEOXYLOGANIC ACID	Shoot		433.3		--
0	(E)-BETA-FARNESENE	Plant	16.0	260.0	1.4141801590412364	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip (Nepeta cataria L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DIHYDRONEPETALACTON E-N3	Plant	34.0	260.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
5	ALUMINUM	Plant	30.0	250.0	-0.259853641335612	--
0	HUMULENE-OXIDE-I	Plant	22.0	210.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
7	PIPERITONE	Plant	50.0	195.0	-0.49415366947045464	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
2	ALPHA-HUMULENE	Plant	18.0	170.0	0.8843423750700136	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
0	3-HEXENYL-ESTER	Plant	18.0	155.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
5	BETA-ELEMENE	Plant	4.0	155.0	0.09810278553693051	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. J. Ess. Oil Res., 5: 159-167.
6	IRON	Plant	17.0	138.0	-0.5757891134070537	--
0	NEPETASIDE	Shoot		126.6		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	THYMOL-METHYL-ETHER	Plant	8.0	115.0	-0.45727181997569605	Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
0	DIMETHYL-3,7-OXA-1-BICYCLO(3,3,0)OCT-2-ENE	Plant	15.0	90.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
41	CAMPHOR	Plant	16.0	80.0	-0.6132983644159371	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	CIS-OCIMENE	Plant	10.0	50.0	-0.33940956972519376	--
22	MYRCENE	Plant	8.0	40.0	-0.4321564145331576	--
0	3-HEXENYL-BENZOATE	Plant	4.0	39.0		Bourrel, C., Perineau, F., Michel, G., Bessiere, J.M. 1993. Catnip ( <i>Nepeta cataria</i> L.) Essential Oil: Analysis of Chemical Constituents, Bacteriostatic and Fungistatic Properties. <i>J. Ess. Oil Res.</i> , 5: 159-167.
14	MANGANESE	Plant	5.0	37.4	-0.4268521750006484	--
0	DIHYDRONEPETALACTONE	Plant	6.0	30.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
53	BETA-CAROTENE	Plant	3.0	24.0	-0.5971978580241307	--
0	TRANS-OCIMENE	Plant	4.0	20.0	-0.8971669237479382	--
0	NEPETARIASIDE	Shoot		20.0		--
60	SELENIUM	Plant	2.0	12.3	0.12139951353466857	--
2	COBALT	Plant	1.4	11.8	-0.09193038682910333	--
4	TIN	Plant	1.3	11.0	-0.6692895216686466	--
15	RIBOFLAVIN	Plant	0.4	3.6	-0.5443703368356911	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	CHROMIUM	Plant	0.3	2.7	-0.6113918491402526	--
28	PULEGONE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
1	IRIDOIDS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	SODIUM	Plant				--
0	4-(A)-ALPHA-7-ALPHA-7-(A)-ALPHA-NEPETALACTONE	Essential Oil				--
0	NEPETOGLUCOSYLESTER	Plant				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Essential Oil				--
0	ISOTRIDECANOIC ACID	Seed Oil				--
0	HUMULENENEPETALIC-ANHYDRIDE	Plant				--
4	SILICON	Plant				--
0	NEPETARIASIDE	Plant				--
0	7-DEOXYLOGANIC-ACID	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	ISODIHYDRONEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Leaf				--
47	BETA-SITOSTEROL	Plant				--

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20	CITRONELLAL	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
6	MYRISTIC-ACID	Seed Oil				--
0	5-EPIDEOXYLOGANIC-ACID	Plant				--
0	THIAMINE	Plant				--
8	STEARIC-ACID	Seed Oil				--
53	CITRAL	Plant				--
0	ISOMARGARIC ACID	Seed Oil				--
0	5,9-DEHYDRONEPETALACTONE	Plant				--
77	ZINC	Plant				--
39	NIACIN	Plant				--
35	GERANIOL	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	TRANS-TRANS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
7	LAURIC-ACID	Seed Oil				--
89	URSOLIC-ACID	Plant				--
0	PETROSELINIC-ACID	Seed Oil				--
0	4-(A)-ALPHA-7-ALPHA-(A)-BETA-NEPETALACTONE	Plant				--
35	GERANIOL	Leaf				--
0	TANNINS	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

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13	PALMITIC-ACID	Seed Oil				--
0	TRANS-CIS-NEPETONIC-ACID-METHYL-ESTER	Plant				--
0	1-5-9-EPI-DEOXYLOGANIC ACID	Plant				--
37	CARVACROL	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	METHYL-NEPETALACTONE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	(1R,5R,8S,9S)-DEOXYLOGANIC-ACID	Plant				--
0	NEPETOL-GLUCOSIDE-ESTER	Plant				--
1	PENTADECANOIC-ACID	Seed Oil				--
18	OLEIC-ACID	Seed Oil				--
112	ASCORBIC-ACID	Plant				--
0	NEONEPETALACTONE	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
5	NEPETALACTONE	Tissue Culture				--
10	NEROL	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
60	LIMONENE	Leaf				--
60	LIMONENE	Plant				--

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71	THYMOL	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
0	NEPETOL	Plant				--